DESTINATION STEM WORKSHOPS
GRADERS 6 – 8

Destination STEM is a series of 90-minute hands-on workshops that introduce STEM disciplines and career paths, focusing on Engineering and Modeling/Simulation. Choose from these distinct 90-minute afterschool workshops:

**Modeling & Simulation: 3D Printing**
Explore the basics of how computer models can be turned into real, tangible objects with a 3D Printer! Discover how scientists, engineers, and even doctors are using 3D printers in their fields.

**Modeling & Simulation: Roller Coasters**
Investigate energy transformations and discover careers in modeling and simulation while designing a fun and safe roller coaster.

**Engineering: Bridges**
Use the engineering design process to build a bridge that meets size specifications and holds weight. Will your bridge hold up under pressure?

**Engineering: Egg Drop**
Scientists and engineers designed the Mars Rover to fall from the planet’s orbit safely to its surface. Can you design and build a protection device for an egg that will survive a 10ft drop?

**Medical Simulation: Dissection**
Participate in a sheep heart dissection and substance testing on blackworms. Discuss the benefits and limitations of simulators.

**Photonics & Optics: Lasers**
Design and build a laser path that hits two designated targets, incorporates a combination of mirrors and prisms, and creates the shortest path possible.

**Robotics: Programming**
Using VEX®IQ robots, work in teams to explore the basics of programming to solve real world problems by program a robotic are to safely dispose of bio hazardous materials.

**Engineering: Rise to the Challenge**
Explore the forces of buoyancy and gravity and complete and engineering challenge to design a counterweight that will allow the balloon to hover midway between the floor and ceiling.

**Computer Science: Drone Zone**
Explore the forces of flight while working in teams to program a drone to perform a search and rescue in our mobile drone cage. Hone your skills as a drone pilot as you take to the skies!

These workshops are designed to be booked either individually or as a series. Please call for availability.
Limit of 32 students per workshop

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<thead>
<tr>
<th>Individual workshop</th>
<th>$500</th>
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<tbody>
<tr>
<td>Series of 4 workshops</td>
<td>$1,900</td>
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